

BF-450M/BF-440M TCP/IP Converter Module

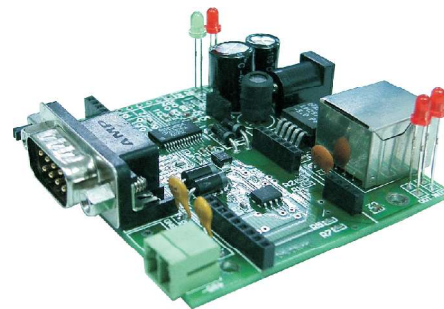
APPLICATION

Factory Automation.
Hospital Automation.
PLC Instrument Control.
Access Control & Security.
Time Recording System.



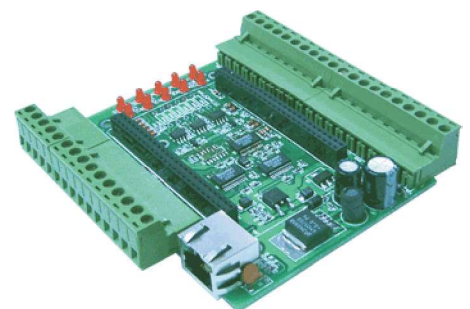
FEATURES

IO Controller.
DHCP Client.
Dynamic DNS.
Alarm Generation.
PPPoE Over Ethernet.
TCP/UDP server/client support.
Backup and Restore configuration.
Full Network Management via Web.
Auto-negotiating 10/100Mbps Ethernet.



PRODUCT SELECTION GUIDE

Module		BF-450M	BF-440M
Installation Types		Single Port	4 Ports
Serial		Serial(TTL) X 1	Serial(TTL) X 4
Ethernet	Speed	10/100 BaseT	
	Connector	Pin Headers	



SPECIFICATION

HARDWARE

CPU: 16 bit CPU, 100 MHz.

Memory: 256 KB ROM & 768 KB SDRAM.

Watch Dog: Support Watch Dog, System Never Halts.

BF-450M I/O Support: With 3 input & 2 output GPIO.

BF-440M Reset Button: Multi-function for System Restart and Factory Default Reset.

INTERFACE

Ethernet: 10/100 Base-T, Half/full Duplex.

Serial: TTL.

No. of Serial Port: 1 (BF-450M), 4(BF-440M)

Signals:

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

RS-485 2 wire: Data+/-

RS-422 4 wire: TX+/-, RX+/- (BF-440M)

Baud Rate: 1200 bps ~230.4 Kbps

CONFIGURATION

Ethernet: Static IP/DHCP Client/PPPoE
 Parity Check: None, even, odd, Mark, Space
 Data Bits: 5, 6, 7, 8
 Stop Bits: 1, 2
 Flow Control: RTS/CTS, XON/XOFF



SUPPORTED OS

Windows XP, Windows 2000, Windows NT, Windows 95/98 ME, Linux, UNIX

PROTOCOL

TCP, IP, UDP, Telnet, ARP, DHCP, ICMP、PPPoE、HTTP、DDNS、SMTP

MANAGEMENT

Support TCP/UDP Server/Client mode
 User name & password protected for web management
 Built-in http server for set up and remote management via any browser easily
 Support backup & restore system configuration data
 Support Windows 95/98/ME/NT/2000/XP/2003 virtual COM drivers
 BF-450M support alarm system via SMS (Short Message Service) to mobile phone or e-mail to PC
 BF-450M support I/O control to integrate with other system

POWER & ENVIRONMENT

Power Requirement: DC 5V 300 mA
 Operating Temperature: 0°C ~ 65°C
 Storage Temperature: -20°C ~ 85°C
 Operating Humidity: 5% ~ 95%
 Storage Humidity: 5% ~ 95%
 BF-450M Dimension: 26 X 65 X 7 mm
 BF-440M Dimension: 50X 75X 7 mm
 Magnetic Protected: Ethernet Port 1.5 KV



BF-450M PIN DESCRIPTION DWG

